

YVWE High Efficiency VSD Water-Cooled Screw Chiller

About Johnson Controls' Building Technologies and Solutions

Johnson Controls' Building Technologies & Solutions is making the world safer, smarter and more sustainable – one building at a time. Our technology portfolio integrates every aspect of a building – whether security systems, energy management, fire suppression or HVACR – to ensure that we exceed customer expectations at all times. We operate in more than 150 countries through our unmatched network of branches and distribution channels, helping building owners, operators, engineers and contractors enhance the full lifecycle of any facility. Our arsenal of brands includes some of the most trusted names in the industry, such as Tyco®, YORK®, Metasys®, Ruskin®, Frick®, PENN®, Sabroe®, Simplex® and Grinnell®.

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2016
GT Compressor
 New generation
 Better efficiency



2017
YGWH
 COP up to 6.68



2017
YVWH
 Variable Speed
 IPLV up to 10.77



2018
YGWE
 COP up to 6.0



2018
YVWE
 Variable Speed
 IPLV up to 9.7



INNOVATION

- 2016 – GT compressor platform, with higher efficiency
- 2017 – YGWH, COP up to 6.68
- 2017 – YVWH, variable speed, IPLV up to 10.77
- 2018 – YGWE, COP up to 6.0
- 2018 – YVWE, variable speed, IPLV up to 9.7



EFFICIENCY

- Certified efficiency exceeds China efficiency level 1
- COP meets green building requirement
- Optimized motor and flow structure ensure high compressor efficiency
- Patented hybrid falling film evaporator delivers higher heat-exchange efficiency
- With VSD technology to achieve better Real-World efficiency



RELIABILITY

- Innovative design of rotor profile enhances reliable operation
- Wide operation fulfills various conditions and application needs
- Patented compressor dampening structure lowers the vibration and sound
- Rigorous qualification makes field operation more reliable



SUSTAINABILITY

- Low R134a refrigerant charge protects the ozone layer
- Low power consumption achieves low carbon emission and contributes to green buildings